

Ritesh Agarwal

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Summary

A highly motivated and results-oriented professional with a proven track record of success in Software Development and Engineering. Seeking a challenging role where I can leverage my skills and experience of 15+ years in 'C' and 'Software Development Engineering' to contribute in a dynamic organization.

Experience

Principal Software Development Engineer Apr 2024 - Present
Zscaler Pune, MH, India

- Collaborated with cross-functional teams to define project requirements and deliver multiple high-quality/impact customer-focused features, resulting in a measureable increase of Net Annual Recurring Revenue(NARR).
- Expedited resolution of critical blocker issues across development, release and production (mainline) branches, maintaining continous delivery pipelines and ensuring production stability.
- Streamlined weekly reporting processes by gathering and summarizing team status, enhancing visibility into project health for senior management and cross-functional partners.
- Spearheaded engineering initiatives to enhance database component reliability by reducing Recovery Point Objectives (RPO) and Recovery Time Objectives (RTO) through in-depth analysis and benchmarking of industry-standard backup and restore methods.
- Acted as the on-call development engineer for the India Time Zone (IST), providing frontline support for production systems and resolving critical alerts and incidents on a rotational basis.

Skills

- C, PostgreSQL, Redis, FreeBSD, RAFT, Perl, Shell Scripting, Python, Gdb, Data Strucutres, Algorithms, Gemini/ChatGPT GenAI, PagerDuty

Senior Principal Software Engineer II 2019 - Apr 2024
Pubmatic Pune, MH, India

- Led the development of a new feature that resulted in a 15% increase in user engagement.
- Mentored junior engineers and conducted code reviews to ensure code quality and adherence to best practices.
- Collaborated with cross-functional teams to define project requirements and deliver high-quality software solutions.

Software Engineer Jun 2020 - Oct 2022
Microsoft Redmond, WA

- Developed and maintained software for [Product/Team].
- Contributed to the design and implementation of new features.
- Fixed bugs and improved the performance of existing code.

Education

Stanford University Sept 2016 - Jun 2020
Master of Science in Computer Science Stanford, CA

- GPA: 3.8/4.0
- Relevant Coursework: Algorithms, Data Structures, Artificial Intelligence, Machine Learning

Projects

Personal Website | HTML, CSS, JavaScript, React Oct 2023 - Present

- Developed a personal website to showcase my portfolio and skills.
- Implemented a responsive design to ensure optimal viewing on all devices.

Skills

Languages: Python, Java, C++, JavaScript
Frameworks: React, Node.js, Django, Flask
Databases: MySQL, PostgreSQL, MongoDB
Tools: Git, Docker, Kubernetes, Jenkins